



Jordan University of Science and Technology
Faculty of Applied Medical Sciences
Allied Medical Sciences Department

LM252 Introduction To Hematology Practical - JNQF Level: 7

Second Semester 2023-2024

Course Catalog

1 Credit Hours. This course provides a comprehensive and detailed understanding for the most important basics, techniques and test procedures that are applied in routine hematology and the purpose behind these tests.

Teaching Method: On Campus

Text Book

Title	Rodak's Hematology Clinical Principles and Applications.
Author(s)	Elaine M.Keohane, Larry J.Smith , Jeanine M.Walenga.
Edition	5th Edition
Short Name	Ref#1
Other Information	Manual Handouts are available

Instructor

Name	Mrs. Ruba Abedaljawad
Office Location	-
Office Hours	
Email	reabdeljawad@just.edu.jo

Class Schedule & Room

Section 1:

Lecture Time: Tue : 08:30 - 10:30

Room: LAB M 6A

Section 2:

Lecture Time: Tue : 13:30 - 15:30

Room: LAB M 6A

Section 3:

Lecture Time: Wed : 13:00 - 15:00

Room: LAB M 6A

Section 4:

Lecture Time: Thu : 08:30 - 10:30

Room: LAB M 6A

Section 5:

Lecture Time: Thu : 12:30 - 14:30

Room: LAB M 6A

Tentative List of Topics Covered

Weeks	Topic	References
Week 1	Safety rules /Introduction to Hematology: Blood and its components /Blood collection tubes and Anticoagulants.	Manual Handouts are available From Ref#1
Week 2	Phlebotomy.	Manual Handouts are available From Ref#1
Week 3	Hemoglobin Determination /Hematocrit Test.	Manual Handouts are available From Ref#1
Week 4	Blood Elements Counting (I): Leukocytes Counting.	Manual Handouts are available From Ref#1
Week 5	Blood Elements Counting (II): Erythrocytes Counting.	Manual Handouts are available From Ref#1
Week 6	Blood Elements Counting (III): Thrombocytes Counting.	Manual Handouts are available From Ref#1
Week 7	Erythrocytes Sedimentation Rate (ESR) Test / Reticulocytes Counting.	Manual Handouts are available From Ref#1
Week 8	Complete Blood Count (CBC) Test / Erythrocytes Indices.	Manual Handouts are available From Ref#1
Week 9	Blood Film Preparation, Staining and Examination (I).	Manual Handouts are available From Ref#1
Week 10	Blood Film Examination (II).	Manual Handouts are available From Ref#1

Week 11	Blood Film Examination (III).	Manual Handouts are available From Ref#1
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Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Learning and applying the safety standard rules in hematology lab [10SLO4] [10L7K1]	10%	Midterm exam, Final exam, Reports, Quizzes and Evaluation
Understanding blood and its components specifically the formed cellular elements including erythrocytes, leukocytes and thrombocytes [10SLO1] [10L7K1]	10%	Midterm exam, Final exam
Acquiring the skill of blood withdrawing to collect blood samples using different techniques and collection tubes [10SLO2] [10L7S2]	10%	Midterm exam, Final exam
Understanding for the most important basics, techniques and test procedures that are applied in routine hematology and the purpose behind these tests. [10SLO2] [10L7K1]	10%	Midterm exam, Final exam, Reports, Quizzes and Evaluation
The ability of manual performance of all the basics tests in routine hematology lab [25SLO2] [25L7S1]	25%	Midterm exam, Final exam, Reports, Quizzes and Evaluation
Applying Quality control and quality assurance measures to achieve a precise and accurate diagnosis of diseases with no or minimized errors and false results. [10SLO4] [10L7S3]	10%	Midterm exam, Final exam, Reports, Quizzes and Evaluation
Ability to correlate and interpret the results of the basics tests in order to classify them as normal or abnormal. [25SLO3] [25L7C2]	25%	Midterm exam, Final exam, Reports, Quizzes and Evaluation

Relationship to Program Student Outcomes (Out of 100%)											
SLO1	SLO2	SLO3	SLO4	SLO5	SLO6	MSLO1	MSLO2	MSLO3	MSLO4	MSLO5	MSLO6
10	45	25	20								

Relationship to NQF Outcomes (Out of 100%)				
L7K1	L7S1	L7S2	L7S3	L7C2
30	25	10	10	25

Evaluation	
Assessment Tool	Weight
Midterm exam	25%
Final exam	50%
Reports, Quizzes and Evaluation	25%

Policy	
Attendance policy	No points will be count for points attendance of this class, however attending the lectures will greatly enhance your grade. The student is responsible for any information discussed in lecture sessions. It is imperative to attend all classes. University regulations will be applied. Students are not allowed to be absent for more than 20% of lectures for any reason or excuse. If a student exceeds the absence limit, he or she will not be allowed to sit for future course exams. (Please review university regulation for more details).
Make-up Exam policy	Make-up exams is entitled for students who miss the exam with accepted legal or medical excuse endorsed by the instructor within 24 hours after the scheduled exam (Please review university regulation for more details).
Feedback	Concerns, complaints, questions, and/or feedback are appreciated and will be important for the instructor. You can contact your instructor using the e-mail or during office hours.

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